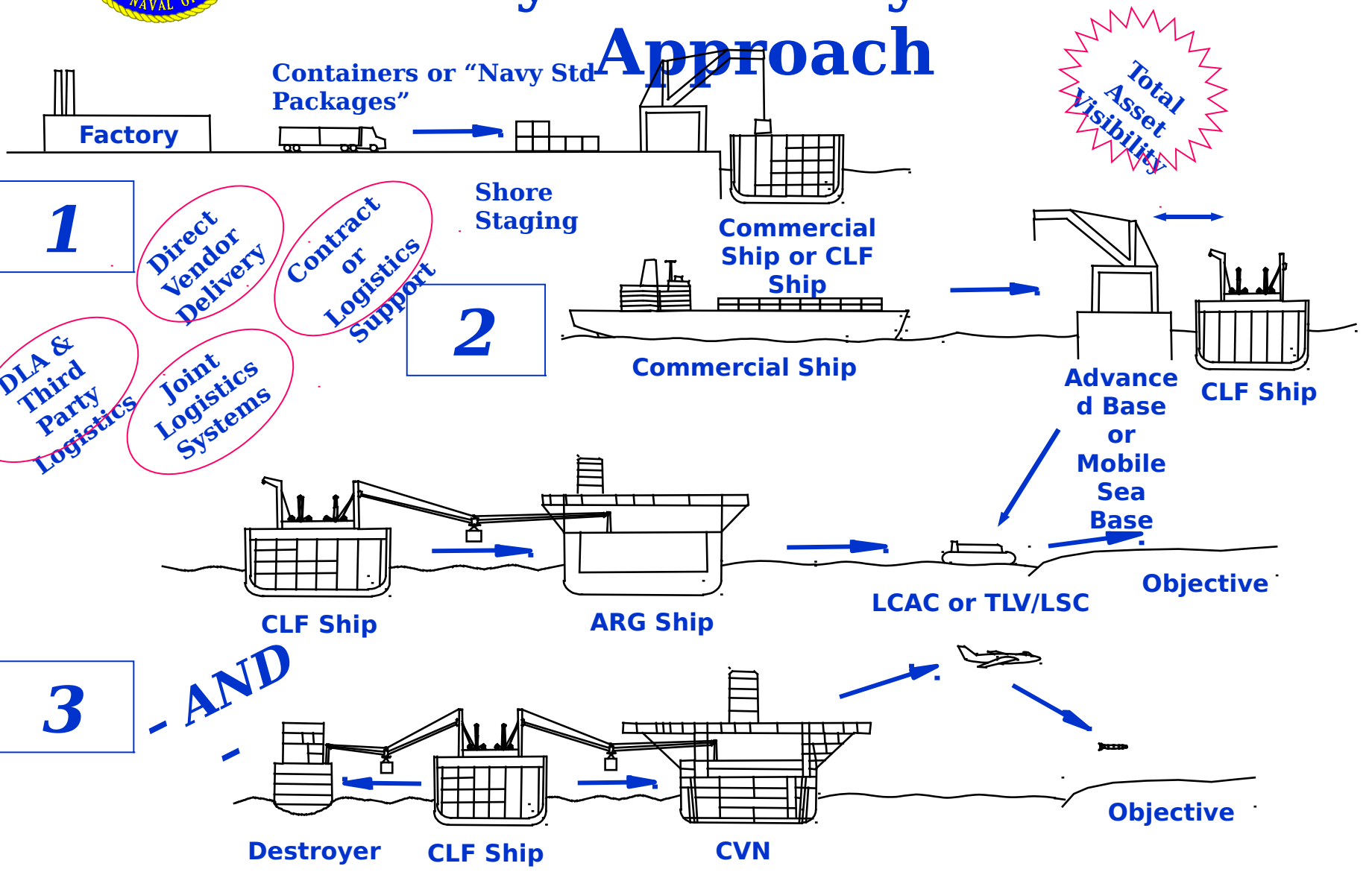
NAVAL OPERATIONAL LOGISTICS INTEGRATED PRODUCT TEAM (NavOpLogIPT)

Defining Operational Logistics

- Embarkation & intra-theater transportation on strategic air and sealift assets
- In-theater logistics
  - Forward maintenance and battle damage repair
  - Distribution, cargo storage/handling; movement of personnel and medical support functions
  - Movement of material and personnel by shuttle lift from logistic support bases or forward logistic sites
- Battle Force /Unit logistics
  - Distribution, maintenance and resupply
- Operational Logistics Planning
  - Unit/Battle Force consumption estimates,
  - Apportionment and allocation of resources and services
  - War plan sufficiency

Operational Logistics
A "System of Systems" Approach



Operational Logistics

- Material Distribution Issues:
  - Manpower intensive
  - 1960’s technology
  - Non-Standard systems
    - material handling/ordnance
    - underway replenishment
    - packaging (cube/weight/unit issue)

NavOpLog IPT Purpose

- Establish a cross functional Integrated Product Team (IPT) to:
  - Review logistics requirements of legacy and future ships
  - Propose solutions for future afloat operational logistics systems
- Team of ship program sponsors, program managers, engineering labs and warfighters

Why NavOpLog IPT?

Naval Logistics -- Supporting the Warfighters

- FY 2000 DoD Logistics Strategic Plan (Aug’99)
- “High Yield Logistics” Transforming Naval Logistics
  - Three Pillars-
    - Outsource
    - Optimize Resources
    - Reduce infrastructure
- Improve & modernize afloat distribution

NavOpLogIPT Mission

- Establish policy and doctrine for future operational logistics and afloat integrated supply systems
- Consolidate and integrate the logistics requirements and initiatives of acquisition programs
- Provide a forum for cooperative engagement among program sponsors, engineering managers and fleet customers

NavOpLog IPT Value

- Improve affordability -- Synergistic programmatic approach to afloat logistics
- Improve efficiency -- Consolidate Navy-wide logistics requirements for current and future ships
- Improve effectiveness -- Support warfighting capability with enhanced logistical support
- Streamline logistics planning in acquisition programs

NavOpLog IPT Structure

- IPT Leadership Group:
  - Provides guidance, oversight, empowerment of IPT
  - Identifies issues, set priorities, reviews IPT products
- Membership:

ASN(RDA) COMNAVSEASYSCOM
DCNO N4 COMNAVAIRSYSCOM
DCNO N7 COMNAVSUPSYSCOM
COMSC CINCLANTFLT
CINCPACFLT

NavOpLog IPT Structure

- NavOpLog IPT Steering Group:
  - Recommend direction of operational logistics systems
  - Integrate engineering development of operational logistics programs with policy, doctrine, acquisition processes, warfighting maintenance requirements using a “systems of systems” approach
- Membership:
  - O6 level representatives of member organizations (leadership group divisions/departments plus others such as USMC, NWDC, CNA, ONR)

NavOpLog IPT Structure

- IPT Working Groups
  - Investigate and recommend solutions to specific issues of operational logistics
- Membership:
  - Members of the IPT
  - Subject matter experts
  - Specific engineering divisions
  - Naval laboratories

NavOpLog IPT Working Groups

- Underway Replenishment Transfer Systems
  - Reduce manpower requirement, increase rate/volume/weight/safety
- Distribution Systems Engineering & Methodology
  - Shore to Ship distribution interface; physical distribution innovations, logistics C4, manpower concentration in distribution nodes, automation
- Internal Material Handling Systems
  - Munitions, Stores storage & movement; commonality of platform requirements, potential for automation, crew reduction, asset visibility
- Packaging & Containerization Methodology
  - Munitions & material handling requirements, standardize containers; weight/cube/issue amount, ISO compatibility, building blocks concept, automation, asset visibility
- Operational Logistics Concepts & Doctrine
  - Naval wide operational logistics view/vision, integrating all naval resupply and replenishment systems